

# John Costello

## List of Publications by Year in descending order

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183  
docs citations

183  
times ranked

3247  
citing authors

#	ARTICLE	IF	CITATIONS
1	Operation of a free-electron laser from the extreme ultraviolet to the water window. <i>Nature Photonics</i> , 2007, 1, 336-342.	31.4	1,455
2	Ultrafast X-ray pulse characterization at free-electron lasers. <i>Nature Photonics</i> , 2012, 6, 852-857.	31.4	189
3	Femtosecond all-optical synchronization of an X-ray free-electron laser. <i>Nature Communications</i> , 2015, 6, 5938.	12.8	171
4	X-UV Absorption Spectroscopy with Laser-Produced Plasmas: A Review. <i>Physica Scripta</i> , 1991, T34, 77-92.	2.5	110
5	First observation of a photon-induced triply excited state in atomic lithium. <i>Physical Review Letters</i> , 1994, 72, 2359-2362.	7.8	110
6	Non-linear processes in the interaction of atoms and molecules with intense EUV and X-ray fields from SASE free electron lasers (FELs). <i>Journal of Modern Optics</i> , 2010, 57, 1015-1040.	1.3	110
7	Femtosecond x-ray pulse length characterization at the Linac Coherent Light Source free-electron laser. <i>New Journal of Physics</i> , 2011, 13, 093024.	2.9	99
8	Experiments at FLASH. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 601, 108-122.	1.6	88
9	Two-color photoionization in xuv free-electron and visible laser fields. <i>Physical Review A</i> , 2006, 74, .	2.5	87
10	Measuring the temporal structure of few-femtosecond free-electron laser X-ray pulses directly in the time domain. <i>Nature Photonics</i> , 2014, 8, 950-957.	31.4	86
11	Polarization Control in Two-Color Above-Threshold Ionization of Atomic Helium. <i>Physical Review Letters</i> , 2008, 101, 193002.	7.8	78
12	Two-colour experiments in the gas phase. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 194006.	1.5	74
13	Trends in 4d-subshell photoabsorption along the iodine isonuclear sequence: I, I <sup>+</sup> , and I <sup>2+</sup> . <i>Physical Review A</i> , 1996, 53, 3211-3226.	2.5	72
14	High-resolution photoion yield measurements of 'hollow' atomic lithium. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, L161-L168.	1.5	71
15	Optimization of the Emission Characteristics of Laser-Produced Steel Plasmas in the Vacuum Ultraviolet: Significant Improvements in Carbon Detection Limits. <i>Applied Spectroscopy</i> , 2002, 56, 970-983.	2.2	71
16	3p photoabsorption of free and bound Cr, Cr <sup>+</sup> , Mn, and Mn <sup>+</sup> . <i>Physical Review A</i> , 1991, 43, 1441-1450.	2.5	70
17	Determining the polarization state of an extreme ultraviolet free-electron laser beam using atomic circular dichroism. <i>Nature Communications</i> , 2014, 5, 3648.	12.8	69
18	Single-shot characterization of independent femtosecond extreme ultraviolet free electron and infrared laser pulses. <i>Applied Physics Letters</i> , 2007, 90, 131108.	3.3	64

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19	Time-resolved pump-probe experiments beyond the jitter limitations at FLASH. Applied Physics Letters, 2009, 94, .	3.3	61
20	Discrete structure in the 4d photoabsorption spectrum of antimony and its ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 4859-4876.	1.5	52
21	Stagnation layers at the collision front between two laser-induced plasmas: A study using time-resolved imaging and spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2010, 65, 627-635.	2.9	51
22	Spectroscopic characterization of vacuum ultraviolet free electron laser pulses. Optics Letters, 2006, 31, 1750.	3.3	50
23	Study of a colliding laser-produced plasma by analysis of time- and space-resolved image spectra. Journal of Applied Physics, 2007, 101, 033302.	2.5	50
24	Marked differences in the 3p photoabsorption between the Cr and Mn+isoelectronic pair: Reasons for the unique structure observed in Cr. Physical Review A, 1989, 39, 6074-6077.	2.5	49
25	Metastable state contributions to the measured 3p photoabsorption spectrum of Cr+ions in a laser-produced plasma. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, L583-L591.	1.5	49
26	Angle-Resolved Electron Spectroscopy of Laser-Assisted Auger Decay Induced by a Few-Femtosecond X-Ray Pulse. Physical Review Letters, 2012, 108, 063007.	7.8	46
27	LIAD-fs scheme for studies of ultrafast laser interactions with gas phase biomolecules. Physical Chemistry Chemical Physics, 2012, 14, 6289.	2.8	45
28	An experiment for two-color photoionization using high intensity extreme-UV free electron and near-IR laser pulses. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 583, 516-525.	1.6	41
29	Two-Photon Excitation and Relaxation of the $d^3$ Resonance in Atomic Kr. Physical Review Letters, 2010, 104, 213001.	7.8	41
30	Time-integrated laser-induced plasma spectroscopy in the vacuum ultraviolet for the quantitative elemental characterization of steel alloys. Journal Physics D: Applied Physics, 2000, 33, 2252-2262.	2.8	40
31	Electron and ion stagnation at the collision front between two laser produced plasmas. Journal Physics D: Applied Physics, 2009, 42, 055211.	2.8	37
32	Emission characteristics and dynamics of the stagnation layer in colliding laser produced plasmas. Journal of Applied Physics, 2010, 107, .	2.5	37
33	XUV photoabsorption of laser-generated W and Pt vapours. Journal of Physics B: Atomic, Molecular and Optical Physics, 1991, 24, 5063-5069.	1.5	36
34	4f(P1)Giant Dipole Resonance in La <sup>3+</sup> . Physical Review Letters, 1995, 74, 2188-2191.	7.8	36
35	Atomic photoionization in combined intense XUV free-electron and infrared laser fields. New Journal of Physics, 2012, 14, 043008.	2.9	36
36	Two-Photon Inner-Shell Ionization in the Extreme Ultraviolet. Physical Review Letters, 2010, 105, 013001.	7.8	35

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37	The DCU laser ion source. Review of Scientific Instruments, 2010, 81, 043305.	1.3	34
38	VUV/EUV ionising radiation and atoms and ions: dual laser plasma investigations. Radiation Physics and Chemistry, 2004, 70, 291-321.	2.8	33
39	Interpenetration and stagnation in colliding laser plasmas. Physics of Plasmas, 2014, 21, 013502.	1.9	33
40	Giant-Dipole-Resonance Absorption in Atomic Thorium by a Novel Two-Laser Technique. Physical Review Letters, 1986, 57, 1581-1583.	7.8	32
41	Sensitivity of nonlinear photoionization to resonance substructure in collective excitation. Nature Communications, 2015, 6, 6799.	12.8	31
42	Ultrashort Free-Electron Laser X-ray Pulses. Applied Sciences (Switzerland), 2017, 7, 915.	2.5	30
43	Dramatic Changes in the 3s Autoionization Process at the Beginning of the Ar I Sequence. Physical Review Letters, 1997, 78, 3082-3085.	7.8	29
44	Even-parity autoionizing states in the extreme-ultraviolet photoabsorption spectra of Mg, Al <sup>+</sup> , and Si <sup>2+</sup> . Physical Review A, 1994, 49, 755-761.	2.5	28
45	Theory of ac Stark splitting in core-resonant Auger decay in strong x-ray fields. Physical Review A, 2011, 84, .	2.5	28
46	Anomalous Behavior of the Near-Threshold Photoionization Cross Section of the Neon Isoelectronic Sequence: A Combined Experimental and Theoretical Study. Physical Review Letters, 1999, 83, 2151-2154.	7.8	27
47	Wave-function collapse with increasing ionization: 4d photoabsorption of Cs through Cs <sup>4+</sup> . Physical Review A, 2001, 63, .	2.5	27
48	Double-pulse laser induced breakdown spectroscopy with ambient gas in the vacuum ultraviolet: Optimization of parameters for detection of carbon and sulfur in steel. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 101, 106-113.	2.9	27
49	2p-subshell photoabsorption by Si <sup>2+</sup> ions in a laser-produced plasma. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 1715-1722.	1.5	26
50	Discrete structure in the 4d photoabsorption spectrum of tellurium and its ions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, 3905-3922.	1.5	25
51	Influence of localized surface plasmons on Pauli blocking and optical limiting in graphene under femtosecond pumping. Journal of Applied Physics, 2014, 116, .	2.5	25
52	Clocking Auger electrons. Nature Physics, 2021, 17, 512-518.	16.7	25
53	Investigation of Na 2p <sub>5/2</sub> 3s <sub>3/2</sub> resonances using angular resolved photoelectron spectroscopy of laser-aligned sodium atoms. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 1341-1349.	1.5	24
54	Resonant photoionization of atomic lithium in the region of the first and second inner-shell thresholds. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, L181-L191.	1.5	24

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55	Evidence for Rescattering in Intense, Femtosecond Laser Interactions with a Negative Ion. <i>Physical Review Letters</i> , 2004, 93, 223001.	7.8	24
56	Charge resolved electrostatic diagnostic of colliding copper laser plasma plumes. <i>Physics of Plasmas</i> , 2011, 18, .	1.9	24
57	Enhanced shock wave detection sensitivity for laser-produced plasmas in low pressure ambient gases using interferometry. <i>Measurement Science and Technology</i> , 2012, 23, 125204.	2.6	23
58	Plasma parametrization by analysis of time-resolved laser plasma image spectra. <i>Measurement Science and Technology</i> , 2006, 17, 670-674.	2.6	22
59	Dynamics of colliding aluminium plasmas produced by laser ablation. <i>Applied Surface Science</i> , 2013, 272, 69-75.	6.1	22
60	The 2p-subshell photoabsorption spectrum of Al <sup>+</sup> in a laser-produced plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1992, 25, 5055-5068.	1.5	21
61	4s24p2-4s24p5s transitions in Ru XIII, Rh XIV and Pd XV. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1988, 21, L195-L199.	1.5	20
62	Vacuum-UV absorption spectrum of a laser-produced chromium plasma: 3p-subshell photoabsorption by Cr <sup>2+</sup> ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 5077-5090.	1.5	20
63	Inter-pulse delay optimization in dual-pulse laser induced breakdown vacuum ultraviolet spectroscopy of a steel sample in ambient gases at low pressure. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2013, 86, 66-74.	2.9	19
64	Ion flux enhancements and oscillations in spatially confined laser produced aluminum plasmas. <i>Physics of Plasmas</i> , 2014, 21, .	1.9	19
65	Ion emission in collisions between two laser-produced plasmas. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 355203.	2.8	18
66	Controlling core hole relaxation dynamics via intense optical fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 141001.	1.5	18
67	Trends in autoionization of Rydberg states converging to the 4s threshold in the Kr <sup>+</sup> -Rb <sup>+</sup> -Sr <sup>2+</sup> isoelectronic sequence: Theory and experiment. <i>Physical Review A</i> , 2003, 67, .	2.5	17
68	Target geometrical effects on the stagnation layer formed by colliding a pair of laser produced copper plasmas. <i>Physics of Plasmas</i> , 2015, 22, 093506.	1.9	17
69	Extreme-UV photoabsorption spectrum of a laser-produced silicon plasma: evidence for metastable Si ions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, L547-L552.	1.5	16
70	On the 3p-subshell photoabsorption spectra of iron-group ions: the case of Mn <sup>2+</sup> . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, L1-L8.	1.5	16
71	Absorption spectroscopy of an expanding laser produced lithium plasma in the extreme ultraviolet using the Dual Laser Plasma technique. <i>Applied Surface Science</i> , 1998, 127-129, 686-691.	6.1	15
72	The evolution of 4d photoabsorption in Sb with increasing ionization. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 1383-1401.	1.5	15

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73	Photoionization experiments with the ultrafast EUV laser 'FLASH' – free electron laser in Hamburg. Journal of Physics: Conference Series, 2007, 88, 012057.	0.4	15
74	Femtosecond profiling of shaped x-ray pulses. New Journal of Physics, 2018, 20, 033008.	2.9	15
75	Dichroism in the above-threshold two-colour photoionization of singly charged neon. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 085601.	1.5	14
76	Angular distribution and circular dichroism in the two-colour XUV+NIR above-threshold ionization of helium. Journal of Modern Optics, 2016, 63, 367-382.	1.3	14
77	4s-4p transitions in Ge-like Ru and Rh. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, L239-L245.	1.5	13
78	Short-pulse, extreme-ultraviolet continuum emission from a table-top laser plasma light source. Applied Physics Letters, 1997, 70, 1497-1499.	3.3	13
79	Time resolved Nomarski interferometry of laser produced plasma plumes. Applied Surface Science, 2009, 255, 5167-5171.	6.1	13
80	Features in the ion emission of Cu, Al, and C plasmas produced by ultrafast laser ablation. Physics of Plasmas, 2015, 22, .	1.9	13
81	Angle resolved photoelectron spectroscopy of two-color XUV+NIR ionization with polarization control. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 165003.	1.5	13
82	Enhanced two photon absorption cross section and optical nonlinearity of a quasi-octupolar molecule. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 314, 60-65.	3.9	13
83	4p-5s transitions in AgXI to AgXIV in a laser-produced plasma. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 345-353.	1.6	12
84	The 1s absorption spectrum of neutral and singly ionized boron. Journal of Physics B: Atomic, Molecular and Optical Physics, 1992, 25, 3963-3970.	1.5	12
85	The 3p photoabsorption spectra of K II and Ca III. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 4771-4779.	1.5	12
86	New experiments in photoabsorption studies of singly and multiply charged ions. Journal of Electron Spectroscopy and Related Phenomena, 1996, 79, 283-288.	1.7	12
87	The 5d photoabsorption spectra of Pb III and Bi IV. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 205001.	1.5	12
88	Time resolved anisotropic emission from an aluminium laser produced plasma. Physics of Plasmas, 2017, 24, .	1.9	12
89	XUV emission from uranium plasmas; the identification of U XIII and U XV. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 2169-2176.	1.6	11
90	XUV photoabsorption of laser generated Au vapour. Journal of Physics B: Atomic, Molecular and Optical Physics, 1995, 28, 181-190.	1.5	11

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91	4d photoabsorption spectra of Sn II and Sn IV in the 30–65 eV region. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 4247-4257.	1.5	11
92	4d photoabsorption spectra of Indium (In II–In IV). <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006, 39, 773-782.	1.5	11
93	Two-color experiments in the gas phase at FLASH. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 181, 111-115.	1.7	11
94	The XUV photoabsorption spectrum of uranium vapour. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, L201-L205.	1.6	10
95	Optical diagnostics of laser-produced aluminium plasmas under water. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	10
96	Measurement and analysis of the photoabsorption spectra of laser-produced Al and in the region of 2p-subshell excitation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1998, 31, 677-688.	1.5	9
97	The photoabsorption spectrum of laser-generated Li <sup>+</sup> in the 60-190 eV photon energy range. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 5203-5214.	1.5	9
98	Application of a picosecond laser plasma continuum light source to a dual-laser plasma photoabsorption experiment. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2000, 33, 1159-1168.	1.5	9
99	Comparison between Intensified Photodiode Array and Charge-Coupled Device Detectors in the Vacuum Ultraviolet for Laser-Induced Plasma Spectroscopy. <i>Applied Spectroscopy</i> , 2001, 55, 1430-1433.	2.2	9
100	Double ionization of atomic negative ions in an intense laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, L235-L240.	1.5	9
101	Vacuum-ultraviolet photoabsorption imaging system for laser plasma plume diagnostics. <i>Review of Scientific Instruments</i> , 2003, 74, 2992-2998.	1.3	9
102	EUV photoabsorption spectra of Cd II and Cd III. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 83-88.	1.5	9
103	Fragmentation of Neutral Amino Acids and Small Peptides by Intense, Femtosecond Laser Pulses. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1366-1375.	2.8	9
104	The Effect of Wedge Angle on the Evolution of a Stagnation Layer in a Colliding Plasma Experiment. <i>Journal of Physics: Conference Series</i> , 2014, 548, 012036.	0.4	9
105	Two-electron processes in multiple ionization under strong soft-x-ray radiation. <i>Physical Review A</i> , 2016, 94, .	2.5	9
106	Recombination contributions to the anisotropic emission from a laser produced copper plasma. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020, 53, 065701.	1.5	9
107	Photoabsorption and photoion spectroscopy of atomic uranium in the region of 6p and 5d excitations. <i>Physical Review A</i> , 2000, 61, .	2.5	8
108	Absolute photoionization cross-section measurements of the Kr I isoelectronic sequence. <i>Physical Review A</i> , 2007, 75, .	2.5	8

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109	Particle diagnostics of a ZnO laser ablation plume for nanostructured material deposition. Applied Surface Science, 2009, 255, 5338-5341.	6.1	8
110	Heterogeneous (Cu-Ti) colliding plasma dynamics. Physics of Plasmas, 2016, 23, .	1.9	8
111	Two-color XUV+NIR femtosecond photoionization of neon in the near-threshold region. New Journal of Physics, 2019, 21, 063034.	2.9	8
112	XUV emission from thorium plasmas; the identification of Th XI and Th XIII. Journal of Physics B: Atomic and Molecular Physics, 1986, 19, L651-L656.	1.6	7
113	New dual laser plasma investigations of inner-shell excitations. Journal of Electron Spectroscopy and Related Phenomena, 1999, 101-103, 161-166.	1.7	7
114	Vacuum-ultraviolet absorption spectrum of the Rb <sup>+</sup> ion in a laser-generated plasma. Journal of Physics B: Atomic, Molecular and Optical Physics, 2001, 34, L651-L656.	1.5	7
115	Atomic mass dependent electrostatic diagnostics of colliding laser plasma plumes. Physics of Plasmas, 2013, 20, .	1.9	7
116	4p-5s transitions in Cd XII, Cd XIII and Cd XIV. Journal of Physics B: Atomic and Molecular Physics, 1984, 17, 4477-4483.	1.6	6
117	Observation of a 6p-6d giant dipole resonance in the VUV photoabsorption spectrum of a laser-produced thorium plasma. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, L285-L290.	1.5	6
118	EUV photoabsorption of laser produced tellurium plasmas: Te Iâ€“Te IV. Journal of Physics B: Atomic, Molecular and Optical Physics, 2005, 38, 2895-2909.	1.5	6
119	ULTRAVIOLET ABSORPTION OF REFRACTORY ELEMENTS BY A DUAL LASER PLASMA METHOD. Journal De Physique Colloque, 1988, 49, C1-243-C1-246.	0.2	6
120	Measurement of the XUV photoabsorption spectra of atomic zinc and its ions :n= 1, 2, and 3 in the region of 3p-subshell excitation. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 4801-4812.	1.5	5
121	Determination of Ca 2p ionization thresholds by high-resolution photoelectron spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 1998, 31, L289-L296.	1.5	5
122	Comparative study of the expansion dynamics of Ga <sup>+</sup> ions in the laser ablation of Ga and GaN using time-resolved extreme UV absorption spectroscopy. Applied Surface Science, 2000, 168, 150-153.	6.1	5
123	Theoretical and experimental study of the extreme ultraviolet photoabsorption spectrum of triply ionized yttrium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, 4663-4680.	1.5	5
124	Instrumental contributions to the time-resolved optogalvanic signal in a hollow cathode discharge. Journal Physics D: Applied Physics, 2005, 38, 2237-2243.	2.8	5
125	From tiny seeds to coherent beams. Nature Photonics, 2008, 2, 67-68.	31.4	5
126	Growth and field emission properties of ZnO nanostructures deposited by a novel pulsed laser ablation source on silicon substrates. Ultramicroscopy, 2009, 109, 399-402.	1.9	5

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127	Characterization of a high-pressure laser ion source with dc and pulsed extraction. Plasma Sources Science and Technology, 2010, 19, 065007.	3.1	5
128	Detection limits of organic compounds achievable with intense, short-pulse lasers. Analyst, The, 2015, 140, 4270-4276.	3.5	5
129	The Laser-assisted photoelectric effect of He, Ne, Ar and Xe in intense extreme ultraviolet and infrared laser fields. Journal of Modern Optics, 2016, 63, 358-366.	1.3	5
130	Deposition of nanocomposite Cu-TiO <sub>2</sub> using heterogeneous colliding plasmas. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	5
131	The 5d $\hat{\sigma}^+$ 6p EUV photoabsorption spectra of Pb II and Bi III: evidence of excited states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 115001.	1.5	5
132	Line plasma versus point plasma VUV LIBS for the detection of carbon in steel: a comparative study. Journal of Analytical Atomic Spectrometry, 2022, 37, 883-889.	3.0	5
133	4s to 4p transitions in As I like Ru XII, Rh XIII and Pd XIV. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, L575-L581.	1.5	4
134	Research and development topics in Analytical Chemistry. Analytical Proceedings, 1992, 29, 45.	0.4	4
135	Vacuum-ultraviolet resonant photoabsorption imaging of laser produced plasmas. Journal of Applied Physics, 2000, 88, 4953-4960.	2.5	4
136	The 4p-subshell photoabsorption spectrum of singly ionized molybdenum. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 2611-2628.	1.5	4
137	Theoretical study of photoionization of the isoelectronic sequence Rb <sup>+</sup> , Sr <sup>2+</sup> , and Y <sup>3+</sup> . Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2007, 102, 149-158.	0.6	4
138	VUV and soft x-ray emission from pre-plasmas irradiated with intense picosecond and femtosecond pulses., 2003, , .		3
139	Perveance and ion bunch structure from a compact, high-pressure laser ion source. Physics of Plasmas, 2010, 17, 123115.	1.9	3
140	Two- and Three-Photon Partial Photoionization Cross Sections of Li <sup>+</sup> , Ne <sup>8+</sup> and Ar <sup>16+</sup> under XUV Radiation. Applied Sciences (Switzerland), 2017, 7, 294.	2.5	3
141	Near-threshold two-photon double ionization of Kr in the vacuum ultraviolet. Physical Review A, 2021, 103, .	2.5	3
142	Ionization dissociation of methane in ultrashort 400 nm and 800 nm laser fields. Chemical Physics Letters, 2021, 775, 138687.	2.6	3
143	4p-5s Transitions in In XIII, In XIV and In XV. Physica Scripta, 1986, 33, 226-228.	2.5	2
144	4s <sup>2</sup> 4p <sup>4</sup> -4s <sup>2</sup> 4p <sup>3</sup> 5s transitions in Ru XI, Rh XII and Pd XIII. Journal of Physics B: Atomic, Molecular and Optical Physics, 1988, 21, 2399-2406.	1.5	2

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145	Identification of 4s <sup>4</sup> 4p transitions in Ru x, Ru xi, Rh xi, Rh xii, Pd xii, and Pd xiii. Journal of the Optical Society of America B: Optical Physics, 1991, 8, 1369.	2.1	2
146	Higher harmonics with plasmonics. Nature Photonics, 2011, 5, 646-647.	31.4	2
147	Soft x-ray photoabsorption spectra of photoionized CH <sub>4</sub> and CO <sub>2</sub> plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 045701.	1.5	2
148	The 5d-6p VUV Photoabsorption Spectrum of Bi <sup>+</sup> . Atoms, 2020, 8, 55.	1.6	2
149	Measurements of extreme UV yields from Nd-YAG plasmas using a multilayer monochromator. Journal of Electron Spectroscopy and Related Phenomena, 1996, 80, 295-298.	1.7	1
150	Vacuum-UV photoabsorption imaging of laser-ablated plumes. , 2003, 4876, 564.		1
151	Tracking ground state Ba <sup>+</sup> ions in an expanding laser <sup>4</sup> plasma plume using time-resolved vacuum ultraviolet photoionization imaging. Laser and Particle Beams, 2004, 22, 207-213.	1.0	1
152	Photoabsorption spectra of a laser produced Sn plasma. Proceedings of SPIE, 2005, , .	0.8	1
153	3p photoabsorption spectra of Mn <sup>2+</sup> and Mn <sup>3+</sup> . Physical Review A, 2007, 75, .	2.5	1
154	4p-inner-shell and double-excitation spectrum of Sr II. Physical Review A, 2009, 79, .	2.5	1
155	Charged particle dynamics in a <sup>4</sup> high-pressure <sup>4</sup> laser ion source. Journal Physics D: Applied Physics, 2011, 44, 135204.	2.8	1
156	Photoabsorption studies of some closed-shell ions in the La isonuclear sequence. Physical Review A, 2015, 91, .	2.5	1
157	A simple, low cost interferometric autocorrelator with no moving parts. Measurement Science and Technology, 2016, 27, 117003.	2.6	1
158	Short wavelength free electron lasers. Journal of Modern Optics, 2016, 63, 285-287.	1.3	1
159	Comparison of the polarisation of line and continuum emission in a laser produced plasma. Journal of Physics: Conference Series, 2017, 810, 012063.	0.4	1
160	Ion energy distribution from colliding laser plasmas. Journal of Physics: Conference Series, 2019, 1289, 012033.	0.4	1
161	X-rays put molecules into a spin. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4772-4773.	7.1	1
162	The Effect of Confinement Angle on Self-Colliding Aluminium Laser Plasmas Using Spectrally Resolved Fast Imaging. Materials, 2020, 13, 5489.	2.9	1

#	ARTICLE	IF	CITATIONS
163	Oxygen K-shell photoabsorption spectra of photoionized CO <sub>2</sub> plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2020, 53, 105701.	1.5	1
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